



Instruction for
Adjustable Proportioning Valve
SUM-G3905

Thank you for purchasing the Summit adjustable proportioning valve.

SPECIFICATIONS

MAX PRESSURE REDUCTION	57%
INLET / OUTLET PORTS	1/8-27 NPT
MOUNTING HOLE DIAMETER	.250 INCH
MOUNTING HOLE SPACING	1.00 INCH
WEIGHT	8 OUNCES

WARNING

INSTALLATION OF THIS COMPONENT SHOULD **ONLY** BE PERFORMED BY PERSONS EXPERIENCED IN THE INSTALLATION AND PROPER OPERATION OF DISC BRAKE SYSTEMS. IT IS THE RESPONSIBILITY OF THE PERSON INSTALLING ANY BRAKE COMPONENT TO DETERMINE THE SUITABILITY OF THE COMPONENT FOR THAT PARTICULAR APPLICATION.

Installation of a proportioning valve is necessary when the reduction of brake line pressure is required to facilitate the balancing of front-to-rear brake bias. Adjustment of brake bias may be necessary to compensate for changing weather, track or chassis handling conditions. Make sure the "in" inlet goes towards the master cylinder and the "out" outlet goes toward the brakes. Both inlet and outlet are 1/8-27 NPT. Pressure is reduced to a maximum of 57% of inlet pressure by turning the knob counter-clockwise (all the way out). For full line pressure, turn the knob clockwise (all the way in). A setting in-between will yield a proportionally adjusted line pressure.

Front-to-rear brake balance should be adjusted so that the front wheels lock-up slightly before the rear wheels. This adjustment can only be done by testing vehicle braking and adjusting valve to derive the best front-to-rear brake balance. Improperly balanced brakes can lead to unstable handling and braking results.

FOR OFF ROAD USE ONLY

BEFORE OPERATING VEHICLE, TEST THE BRAKES UNDER CONTROLLED CONDITIONS. MAKE SEVERAL STOPS IN A SAFE AREA FROM LOW SPEEDS AND GRADUALLY WORK UP TO RACING SPEEDS. **DO NOT RACE ON UNTESTED BRAKES! ALWAYS UTILIZE SAFETY RESTRAINT SYSTEMS WHILE OPERATING VEHICLE.**

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